

20021103.qrp v02_n729.qrl.20021103

Date: Sun, 3 Nov 2002 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2729

QRP-L Digest 2729

Topics covered in this issue include:

- 1) [139186] Re: misc items*** UPDATE***
by "NZ8J" <nz8j@woh.rr.com>
- 2) [139187] Re: Tales of TDA1072 1-chip RX ...
by "Jim Stamper" <jstamper@shentel.net>
- 3) [139188] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
by Wayne Burdick <n6kr@elecraft.com>
- 4) [139189] Re: Uniden CR-2021 schematics
by William R Colbert <w5xe@juno.com>
- 5) [139190] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
by "Mike Yetsko" <myetsko@insydesw.com>
- 6) [139191] Re: Good design reasons to specify 12 volts min. and 13.8 max on Ten

Tec

Argonaut V

- by Wayne Burdick <n6kr@elecraft.com>
- 7) [139192] Radio Shack Choke
by Rick McKee <kc8aon@juno.com>
- 8) [139193] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
by Wayne Burdick <n6kr@elecraft.com>
- 9) [139194] KL7Y SK
by Goemans <jgoemans@facstaff.wisc.edu>
- 10) [139195] Re: 3XY7C 10.104 Wheehaw!
by John Harper AE5X <ae5x@qsl.net>
- 11) [139196] FS Pixie unbuilt kit, Boxes for projects
by "Kevin Gray" <k8su@adelphia.net>
- 12) [139197] Status of Rock Mite BCI problem?
by "John McClain" <digi2@earthlink.net>
- 13) [139198] FS 49'er built and in a can
by "Kevin Gray" <k8su@adelphia.net>
- 14) [139199] FS: Yaesu CT-62 Cable
by "Alan Fryer" <N3BJ@hotmail.com>
- 15) [139200] radiation pattern of a dipole: is most HF wasted skywards? "98% efficiency"?
by <mm1esg@compuserve.de>
- 16) [139201] It's for real...five 80-meter Q's with stock DSW-40 on Saturday...
by "Bill, N4QA" <n4qa@hotmail.com>
- 17) [139202] [Elecraft] K2 Users w/ 756 Pro IIs?
by John Seney <wd1v@amsat.org>

- 18) [139203] SW+ rig questions
by "Kristinn Andersen" <kiddi@marel.is>
- 19) [139204] CW SS: Are we having fun yet???
by wkhibbert@juno.com
- 20) [139205] Re: CW SS: Are we having fun yet???
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 21) [139206] CW filter for TS-520
by "Bill Walker" <wv7g@arrl.net>
- 22) [139207] Re: radiation pattern of a dipole: is most HF wasted skywards
by "James R. Duffey" <jamesd1@flash.net>
- 23) [139208] Octalooop
by George Murphy VE3ERP <ve3erp@encode.com>
- 24) [139209] Internal Keyer for, and QRP/QRPP operation of the Icom IC-735
by Fred Ringwald <fred@ringwald.org>
- 25) [139210] Runnig of the Bulls
by "Ron Polityka" <wb3aal@fast.net>
- 26) [139211] GAP Titan question
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [139212] RE: GAP Titan question
by "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
- 28) [139213] WA3WSJ on A.T.
by Paul Stroud <aa4xx@bellsouth.net>
- 29) [139214] GAP Titan question (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 30) [139215] OT: Anyone have an Icom 746Pro ?
by "Michael Melland" <w9wis@charter.net>
- 31) [139216] Converting MFJ 9020 rig to 17 meters
by NA1XX@aol.com
- 32) [139217] FS (FWD)
by Ed Tanton <n4xy@earthlink.net>
- 33) [139218] Things For Sale
by "Ed Kessler" <aa3sj@arrl.net>
- 34) [139219] Looking for a wierd problem with a part
by "Mike Yetsko" <myetsko@insydesw.com>
- 35) [139220] Fw: SW+ rig questions
by "Jerry Ford" <benlightnd13@mchsi.com>
- 36) [139221] Sweepstakes Logging Question
by "Bob Tellefsen" <n6wg@earthlink.net>
- 37) [139222] OT: Linux Text Editor
by Rob Matherly <w0jrm@arrl.net>
- 38) [139223] Re: Internal Keyer for, and QRP/QRPP operation of the Icom IC-735
by Chris Cartwright <ccart@phideaux.com>
- 39) [139224] Feeling blue? Take one HW-7, add 3 Rock-Mites and call me in the morning...
by "Bill, N4QA" <n4qa@hotmail.com>
- 40) [139225] Re: CW filter for TS-520
by "Paul Mills" <quahog@localnet.com>

Date: Sat, 2 Nov 2002 19:40:26 -0500
From: "NZ8J" <nz8j@woh.rr.com>
To: "NZ8J" <nz8j@woh.rr.com>, <qrp-1@lehigh.edu>
Subject: [139186] Re: misc items*** UPDATE***
Message-ID: <00eb01c282d1\$9a099450\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All Item have been sold except the HD-1418 Audio Filter
Thanks to all who responded
73
Tim
Nz8J

----- Original Message -----

From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-1@Lehigh.EDU>
Sent: Saturday, November 02, 2002 11:21 AM
Subject: FS: misc items

> Aftronics Super Scaf audio filter, exc cond, works great, with original
> manual, 110Vac, works great on ssb or cw \$43 shipped
>
> Heathkit HD-1418, Hi/Lo pass, notch, peak, rtty, cw, works great, no
> manual, has some marks on case, front panel exc, runs off 12vdc \$32
shipped
>
> Heathkit HD-1422 Antenna noise bridge, works good, with manual \$20 shipped
>
> Ten Tec hand microphone, current mic with 4 pin connector exc cond (have 2
> for sale) \$19 each shipped
>
> Ten Tec Model 1202 Dual Band wattmeter, HF-2 meters, connect 2 rigs at
once,
> 20w and 200 w scale, good condition with assembly and alignment manual (I
> think there was a discussion on qrp-1 of adjusting this for 2w and 20w
scale
> for QRP operation) \$39 shipped.
>
> MFJ model 8043 IC electronic keyer. Sidetone, volume, weighting, tone,
speed
> all work, but it keys the radio all the time, not sure what is wrong with
> it. \$15 shipped
>

snip

> More later on this, but I promise the next one won't be so long.
>
> 72--Nick, WA5BDU
>
>
>

Date: Sat, 02 Nov 2002 18:16:08 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-1@lehigh.edu
Subject: [139188] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
Message-ID: <3DC486E7.7134DB1E@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dick Ballard, W7AND, wrote:

> Does anybody know the supply voltage sensitivity of the K2? Since its
> receive current is a lot lower, it would probably be a better choice
> for field use, especially if it could operate at lower supply
> voltages.
>
> I too am disappointed in the 12v lower limit of the Argonaut V. Many
> 12 volt systems are designed to run down to around 10.5 -11.5 volts
> which is a more realistic lead acid battery drop out level.

Dick,

We designed the K2 specifically to run on batteries--including depleted ones. All circuitry that affects frequency stability or signal shaping runs from a low-dropout 8-volt regulator, and the lower-voltage regulators for the VCO, etc., run from this 8 V supply (i.e., they are double-regulated).

As a result, you can run a K2 from as low as 9 volts without a hint of chirp or instability. The rig will happily run from an 8-cell "C"-size NiMH pack (9.6 V nominal), and will function well below the 10-V recommended limit for Gel-Cells or conventional

automotive batteries. Of course you have to reduce maximum power output to something less than the the full 15 watts when using voltages this low.

As you mentioned, the K2's current drain is really low (at least for a high-performance all-HF-band rig). The receive-mode current drain is around 150 to 280 mA, depending on what you have turned on. On transmit, typical current drain at 10W PEP is 2 to 2.5 amps. The internal 2.9-Ah battery option will power the radio for some 6 hours of casual operation at this level. The internal 20-watt ATU option uses latching relays so it contributes only 2 mA in receive mode. With the battery and ATU installed, the rigs still weighs only about 5 pounds. Portable operation was exactly what we had in mind.

73,
Wayne
N6KR

Date: Sat, 2 Nov 2002 19:12:33 -0700
From: William R Colbert <w5xe@juno.com>
To: kr1st@amsat.org, qrp-1@lehigh.edu
Subject: [139189] Re: Uniden CR-2021 schematics
Message-ID: <20021102.191235.-465069.3.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Sangean 803 that I got at the local club auction for less than 5 dollars and after searching the RS website for info, only a manual of operation showed up - even googled the internet for the Sangean 803 and RS DX400 but only got some suggestions, problems and some resolutions to the problems but NO schematic to be found. I ended up sending to w7fg.com for a full manual, which may be the only way. The full schematic is several pages, layered boards, and not practical to copy.

Myabe you will have better luck than I. Should make a dandy receiver for portable qrp operations.

73
Ray
"The more I see of the representatives of the people,

the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-
NCT2R, SOC#78,ARCI 5784, El Paso,(FAR WEST)TEXAS

Date: Sat, 2 Nov 2002 21:23:41 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n6kr@elecraft.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139190] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
Message-ID: <002101c282e0\$08293a40\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I can say from first hand experience that I have run my K2 from my
Jeep that had a battery that would drop down to 10v when the
vehicle was not running and the K2 still 'appeared' to be functioning
with no issues. But that is NOT the same as taking any kind of
quantitative measurement.

Mike

Date: Sat, 02 Nov 2002 18:43:04 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Subject: [139191] Re: Good design reasons to specify 12 volts min. and 13.8 max on
Ten Tec
Argonaut V
Message-ID: <3DC48D37.25F5E09B@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stuart K5KVH, wrote:

> It is probably hard to get finals that will operate on less than 12 volts,
> and produce the power rating of this radio.

I'm not sure what finals TT uses in the Argo, but if they're similar to those in
the K2,
they should easily work on reduced voltage--assuming you also reduce drive level

to avoid saturation. For example, the K2 will put out up to 15 watts with a 12-14 V supply, but it will still put out a clean over-5-watt SSB or CW signal when running from 10 volts. As long as the drive can be controlled in a closed-loop fashion, the operator just needs to consider where their battery voltage is when setting the power control. This is why the K2 has a front-panel switch to check current drain and voltage.

> Also, the use of too many
> voltages inside complicates the design, driving cost of production up.

This definitely applies to some products. But in a complex HF transceiver like the Argo or K2, the extra few parts required to provide regulated supplies at two or three voltages do not contribute significantly to the cost.

> Even the lowering of the Scout's 50 watt rating to a 20 watt Argo V, might
> suggest they are having trouble getting higher powered 12 volt finals, since
> Motorola semi left the RF market, and others have also gone away to a
> degree, compared to the hey day of discrete components.

Again, I'm not sure what TT used (I'll find out), but the finals used in the K2 are not an endangered species (nor the ones in the K2/100 for that matter). They are second-sourced, rugged, proven parts for HF use.

> It just may be, that we are seeing the big change in available active
> components for RF in the HF range affecting what US manufacturers can do.

This is certainly true for system-level ICs and many new IC families that are targeted at high-density, mass-produced consumer products. There are some really neat parts available that do things one couldn't begin to do with macro-level analog or digital circuitry. But fortunately for us, there are no shortages of the through-hole parts used in the K2 and K1 kits.

I think jelly-bean parts like basic logic, discretes, op-amps, etc. will be with

us for a
very long time. Take the Digikey catalog, for example. They have continued to
expand their
through-hole offerings in recent years, even as they've added a huge number of
SMDs. I
like to think of leaded parts as the nuts and bolts of electronic tinkering.
Microscopic
metal hardware would not be very useful, because it isn't human-scale. Similarly,
I like
being able to hold a resistor or transistor, stick it into a prototype board,
solder it
with ugly construction, etc. These parts define a threshold of usability, or
perhaps a
"unit of creativity." Hence their continued availability.

> The already high cost of labor here, means you have to save every penny on
> parts and design you can, and still make your goals. To their credit, by
> all reports, the Argo V is a very worthy replacement for the Scout and MUCH
> more for us to enjoy.

I've heard lots of good things about it.

Of course the K2 is a kit, so we think about labor costs in a different way ;)

73,
Wayne
N6KR
Elecraft

Date: Sat, 2 Nov 2002 21:38:04 -0500
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [139192] Radio Shack Choke
Message-ID: <20021102.213808.8990.2.kc8aon@juno.com>

Anyone know where there is a site with rewinding data for the Radio Shack
RF choke ? Would like to experiment with it in a small qrp tuner and
other items.

72/73 DE: K<>C<>8<>A<>0<>N

Rick McKee

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Date: Sat, 02 Nov 2002 18:48:27 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [139193] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
Message-ID: <3DC48E79.808F4446@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

> I can say from first hand experience that I have run my K2 from my
> Jeep that had a battery that would drop down to 10v when the
> vehicle was not running and the K2 still 'appeared' to be functioning
> with no issues. But that is NOT the same as taking any kind of
> quantitative measurement.

Mike,

We've used K2s in lots of situations at low voltages, but we haven't done a spec-by-spec characterization at benchmark voltages, say 9 or 10 volts. This is a great idea, though! I think I'll fire up the spectrum analyzer and cripple my power supply as soon as I get a chance.

73,
Wayne
N6KR

Date: Sat, 02 Nov 2002 20:54:08 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [139194] KL7Y SK
Message-ID: <3.0.2.32.20021102205408.006aad94@facstaff.wisc.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

Hi,

I see on Eham.net news this morning that Dan KL7Y was killed in a motorcycle accident in Hawaii. A big loss, I don't think he operated QRP but was "QRP-friendly". I am sure AL7FS will agree.

72, Paul

Paul Goemans WA9PWP
Stoughton, WI 53589
all email checked by NAV2002

Date: Sat, 02 Nov 2002 22:32:20 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [139195] Re: 3XY7C 10.104 Wheehaw!
Message-ID: <000301c282e9\$9da93c60\$6501a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Congrats Ade,

It certainly is a challenge to work a DX station with such a large split, especially when QRP. I've called and called and have yet to work them on any band even at the 100 watt level. Hopefully the pile-up will wind down as the days go by. According to all the DX newsletters they'll be on the air till Nov 13.

72,

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sat, 2 Nov 2002 23:05:33 -0500
From: "Kevin Gray" <k8su@adelphia.net>
To: <qrp-l@lehigh.edu>
Subject: [139196] FS Pixie unbuilt kit, Boxes for projects
Message-ID: <OCEPILKFPJMGHKIMLFOCAEHHCBA.k8su@adelphia.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale Pixie Unbuilt

For Sale Small boxes for projects.

Offers would like someone to get some use out of this stuff.

k8su@adelphia.net

Kevin

Date: Sat, 2 Nov 2002 21:22:41 -0700
From: "John McClain" <digi2@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [139197] Status of Rock Mite BCI problem?
Message-ID: <002701c282f0\$a7179e20\$6501a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

How do we stand on eliminating the BCI on the Rock Mite? My Rock Mite 20 is especially bad when I use a 30 or 40 meter antenna. I just got my Rock Mite 40 fired up and it has the same problem but not as bad. As I recall, adding a 10uh choke in parallel with D1 and D2 was one way and a 820 ohm resistor in the same place was another. Has there been anything new since those two?

John
K7SVV
k7svv@arrl.net
K1 #1378, K2 #2569, SST 20, Rock Mite 20, Nor'Easter

Date: Sat, 2 Nov 2002 23:54:20 -0500

From: "Kevin Gray" <k8su@adelphia.net>
To: <qrp-1@lehigh.edu>
Subject: [139198] FS 49'er built and in a can
Message-ID: <OCEPILKFPJMGHKIMLF0CIEHLCBAA.k8su@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FS 49'er nicely built and in a container. Any reasonable offer accepted.

Want someone to use it.

Kevin

Date: Sun, 3 Nov 2002 04:55:35 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [139199] FS: Yaesu CT-62 Cable
Message-ID: <OE44SUW0XLQJxUjjlAC0000cabf@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: Yaesu CT-62 Cable for programming FT-817, etc. In the original
box, like new. \$22 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 03 Nov 2002 06:35:12 -0800
From: <mm1esg@compuserve.de>
To: rohre@arlut.utexas.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [139200] radiation pattern of a dipole: is most HF wasted skywards? "98%
efficiency"?
Message-ID: <cba4e2bd.e2bdcba4@compuserve.de>
MIME-Version: 1.0
Content-Language: de

Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Thank you all for excellent replies to my deser ground question! -
Stuart, the "98% efficiency" relates ONLY to 2% loss arising from the
condx of the desert earth, right? Do dipoles radiate most HF straight
up? I bet many OP are truly QRPers when we consider the actual HF which
is radiated in beneficial ways... 72, Chris

Date: Sun, 03 Nov 2002 09:36:13 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [139201] It's for real...five 80-meter Q's with stock DSW-40 on
Saturday...
Message-ID: <F31DqaJY4kJSFsxf4yp000044e9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

It's kinda neat, having a multi-band DSW...well, sort of.
As I mentioned yesterday, the stock DSW-40's receiver isn't very hot below
about 6 MHz(nor should we expect it to be) BUT...80 got so hot last night
with all the Sweepstakes action that I actually heard many 80-meter stations
coming through the DSW-40's unmodified receiver! Confirmed their
'for-realness' against the DX-390 which I was using for actual 80-meter
Qs...

So, worked OH, SC(twice), KY and Midlothian,VA(DX of 163 mi from here in
Pulaski county,VA). Even accidentally made one Sweepstakes contact...
Well, the big contest guns sort of took over after about 2100 EST so I
packed it in for the night. I'm convinced that on a 'regular' night, I might
have made dozens of contacts with my new DSW-60(splitting the difference,
here).Hmmm...
Shouldn't be too difficult, hotting-up the receiver....

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Surf the Web without missing calls! Get MSN Broadband.
<http://resourcecenter.msn.com/access/plans/freeactivation.asp>

Date: Sun, 3 Nov 2002 09:52:19 -0500
From: John Seney <wd1v@amsat.org>
To: qrp-l@lehigh.edu
Subject: [139202] [Elecraft] K2 Users w/ 756 Pro IIs?
Message-ID: <p05100303b9eae8894437@[24.147.74.3]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi Folks:

Just curious if any of you are also using
a 756 Pro II and how you find it compares
with your K2?

72/73

John Seney, WD1V [FN42]
QRP ARCI 10345 K2 #1388
FIST #5014 CC: 1151
<http://www.qsl.net/wd1v>

Date: Sun, 3 Nov 2002 15:03:50 +0000
From: "Kristinn Andersen" <kiddi@marel.is>
To: "qrp-l@Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [139203] SW+ rig questions
Message-ID: <0F419A601D.F7CE2FC2-ON00256C66.0051D4B1@marel.is>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Hi:

I finished building my SW20 a couple of weeks ago. An excellent rig, A+ work from Dave Benson ,and I have had lots of fun with it. With a 15ft wire out of my window (and a tuner) my 1-2 Watts have accomplished QSOs to 11 countries so far. Now, I have a couple of questions:

Looking at the schematic I would presume that when I listen to another station and tune it to the same audio frequency as my sidetone, my TX frequency will be exactly the same as the RF frequency of that other station. When I use my "big rig" confirm this, it appears to be not the case. I need to tune the other station in at a somewhat lower audio frequency than my sidetone (say, 200-300Hz), to have my TX frequency matching that of the other station. The only explanation I can find for this is that some of the rigs oscillators are "pulling" (shifting

frequency) when I go from RX to TX. Or am I missing something? The whole purpose, of course is to be able to tune exactly in to other stations to improve, for example, tail-ending.

A second question - I find the sidetone volume unnecessarily loud and would like to decrease it. Anyone who has the mod to do it?

73 de TF3KX, Kristinn.

Date: Sun, 3 Nov 2002 10:21:04 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [139204] CW SS: Are we having fun yet???
Message-ID: <20021103.102108.-186021.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, yes & no...

The antennas are staying up, even in the snow, the Kenwood is perking right along, the narrow CW filter is making it a pleasure to dig into the piles of signals and the logging program.....

The logging program is (make that "was) an old copy of Log-EQF and it does not like the year 2002. The log shows a date of 11-02-102 instead of 11-02-02 and the file will not reopen.

Due to this, I am back to paper and pencil for the logs, but I lost the first 27 Q's in 19 sections. The log file did not save.

For those of you who worked NQ2RP, congrats. The rest of the weekend it will be my call, not the club call. Look for WB2VUO, QRP in WNY, J-38 key at the ready from the Depths of the Great Bergen Swamp!

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

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Date: Sun, 3 Nov 2002 11:08:10 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: wkhibbert@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [139205] Re: CW SS: Are we having fun yet???
Message-ID: <Pine.LNX.4.44.0211031106200.8017-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fun fun fun!

Of course, my contest is a VERY limited operation - lots of errands, buying a car today (20m mobile ant on the roof of my XYL's car) but somehow managed 175 Qs in (I think) about 70 sections between 6 and midnight last night.

Nothing like QRP and a dipole up on a hill.

I would say that I could make the clean sweep IF I had time today to operate, but alas, such is likely not to be.

On Sun, 3 Nov 2002 wkhibbert@juno.com wrote:

> Well, yes & no...
>
> The antennas are staying up, even in the snow, the Kenwood is perking
> right along, the narrow CW filter is making it a pleasure to dig into the
> piles of signals and the logging program.....
>
> The logging program is (make that "was") an old copy of Log-EQF and it
> does not like the year 2002. The log shows a date of 11-02-102 instead
> of 11-02-02 and the file will not reopen.
>
> Due to this, I am back to paper and pencil for the logs, but I lost the
> first 27 Q's in 19 sections. The log file did not save.
>
> For those of you who worked NQ2RP, congrats. The rest of the weekend it
> will be my call, not the club call. Look for WB2VU0, QRP in WNY, J-38
> key at the ready from the Depths of the Great Bergen Swamp!
>
> 73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
> President, Brockport Amateur Radio Klub
> "My night light runs more power than my Rig!!!"
>
> -----
> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!

> Visit www.juno.com
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 3 Nov 2002 08:40:52 -0700
From: "Bill Walker" <wv7g@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139206] CW filter for TS-520
Message-ID: <000001c28356\$45dfdbc0\$020aa8c0@pluto>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone know where I may find a CW filter for a Kenwood TS-520?
I am interested in at least a close to original internal module.

Bill Walker - WV7G

Date: Sun, 03 Nov 2002 10:43:33 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <mm1esg@compuserve.de>, qrp-l <qrp-l@lehigh.edu>
Subject: [139207] Re: radiation pattern of a dipole: is most HF wasted skywards
Message-ID: <B9EAAE55.1FB7D%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Chris - The radiation patterns of a dipole at various heights over earth are in the ARRL Antenna Book and other sources. A dipole has considerable radiation at high angles, including straight up, if installed below a half wave length. Such radiation is not entirely wasted as communication with close in (several hundred miles or so) stations requires radiation at high angles. For DX, a low angle of radiation is preferred.

So I guess, whether or not this high angle radiation is wasted depends on your application. If you want to talk to the locals, or are interested in

statewide emergency communications it is not wasted. If you want to work DX, that high angle radiation isn't doing you much good.

It is pretty straightforward to get horizontal dipole efficiencies greater than 90%. It is more difficult to achieve similar efficiencies with a vertical antenna close to the ground, largely due to ground losses. With horizontal antennas the places to reduce losses are not in the antenna per se, but in the feedline and tuner. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 03 Nov 2002 12:54:02 -0500
From: George Murphy VE3ERP <ve3erp@encode.com>
To: qrp-1@lehigh.edu
Subject: [139208] Octaloop
Message-ID: <4.3.2.7.0.20021103124917.00ab3100@mail.encode.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

My apologies to the many to whom I have recently sent info re the Octaloop Antenna. I forgot to include one of the files, and there is a glitch in one of files I did send.

Anyone having trouble with the files please contact me again and I will send the corrected (I hope!) files.

Murph VE3ERP

[This E-mail scanned for viruses by Orillia ProNet with Declude AntiVirus]

Date: Sun, 3 Nov 2002 12:29:47 -0500 (EST)
From: Fred Ringwald <fred@ringwald.org>
To: qrp-1@lehigh.edu
Subject: [139209] Internal Keyer for, and QRP/QRPP operation of the Icom IC-735
Message-ID: <m1880ZH-000RwbC@tesop>

Hello,

I realise this is somewhat off topic. Does anyone know where I could find, and about how much I should have to pay, for the internal keyer for the Icom IC-735??

Also, to get closer to our topic, I have "successfully" used a 9V battery and a pot to drive the auxiliary ALC on my Icom to QRP levels, but the adjustment is quite sensitive, and it drains the 9V battery if I forget to disconnect it. Does anyone know of a circuit I could build that would take my station 12VDC and provide a properly controlled and *protected* voltage source to adjust the ALC input on my IC-735 so I can drive it at QRP and QRPP levels??

Thanks for the bandwidth, and 73s,

Fred Ringwald, AB0AE
fred@ringwald.org

Date: Sun, 3 Nov 2002 13:20:25 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [139210] Runnig of the Bulls
Message-ID: <000f01c28365\$af17bfe0\$613c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry guys, I am not operating the Nov SS CW Contest.

I woke up with a migraine headache and CW is the last thing I want to do today.

72
Ron de WB3AAL
www.n3epa.org/

Date: Sun, 3 Nov 2002 12:40:35 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-l@lehigh.edu>
Subject: [139211] GAP Titan question
Message-ID: <Pine.LNX.4.33.0211031237450.23048-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm a little confused about the GAP Titan counterpoise set up...looking at it as a square, is each side about 20 inches in length thus totaling about 80 inches?...or is each side 80 inches in length. totaling 320 inches?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 3 Nov 2002 11:53:58 -0700
From: "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
To: <rattray@gpfn.sk.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139212] RE: GAP Titan question
Message-ID: <507A236EF18F804F8E696F22F0CB670C13E28A@davandy-srvr.davandy.com>

Each side is 80 inches. It is rather large.

73,
Mike WA0SXV

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Bruce Rattray
Sent: Sunday, November 03, 2002 11:41
To: Low Power Amateur Radio Discussion
Subject: GAP Titan question

I'm a little confused about the GAP Titan counterpoise set up...looking at it as a square, is each side about 20 inches in length thus totaling about 80 inches?...or is each side 80 inches in length. totaling 320 inches?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

Date: Sun, 03 Nov 2002 14:44:39 -0500
From: Paul Stroud <aa4xx@bellsouth.net>
To: breneiser@talon.net, qrp-l@lehigh.edu
Subject: [139213] WA3WSJ on A.T.
Message-ID: <3DC57CA7.A58C624@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

Thanks for the 40M QSO Saturday. Signals weren't too strong, but you were solid copy.

The Special Events Callsign on my end (W4A) was a bit confusing for some stations, although you got the call immediately. KD4PBJ, N3GO, and I were operating from BSA Camp Reeves in the North Carolina sandhills, near Southern Pines.

There were several hundred astronomers and lots of scouts attending the Mid Atlantic Star Party this past weekend, making for a fun time for all.

Hope to hear you again from the AT. Keep up the good work.

72, Paul AA4XX

Date: Sun, 3 Nov 2002 13:56:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [139214] GAP Titan question (fwd)
Message-ID: <Pine.LNX.4.33.0211031354590.27780-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...got my answer...each side is 80 inches...tnx to all...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----

Date: Sun, 3 Nov 2002 12:40:35 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: GAP Titan question

I'm a little confused about the GAP Titan counterpoise set up...looking at it as a square, is each side about 20 inches in length thus totaling about 80 inches?...or is each side 80 inches in length. totaling 320 inches?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 3 Nov 2002 14:09:19 -0600
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<fpqrp-l@fpqrp.com>, <njqrp@njqrp.org>
Subject: [139215] OT: Anyone have an Icom 746Pro ?
Message-ID: <007301c28374\$e5137da0\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If so please contact me off list. Wondering how you like it (746Pro) and what faults you have found. Comparison with other similar priced radios helpful.

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-parci # 9875 - iparc #252

ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 3 Nov 2002 15:20:12 EST
From: NA1XX@aol.com
To: qrp-l@lehigh.edu
Subject: [139216] Converting MFJ 9020 rig to 17 meters
Message-ID: <94.2f435c70.2af6defc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Has anyone on the list had any luck converting a MFJ 9020 monoband 20 meter QRP CW rig up to 17 meters? I'd appreciate any advice or hints to further this project along. Thanks.

72

Mike NA1XX
North Weymouth MA

Date: Sun, 03 Nov 2002 15:43:47 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [139217] FS (FWD)
Message-ID: <5.1.1.6.2.20021103154150.01e5a4e0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

If any of you have been looking for an OUTSTANDING HF receiver, this is as nice a radio (feature-wise) as you'll ever see for \$900. I have no connection to Michael-I just wish MY '6790 had all the extra stuff!

Delivered-To: racal@mailman.qth.net
From: "Michael Melland" <w9wis@charter.net>

Subject: [Racal] FS: Racal RA-6790/GM and More...

Date: Sun, 3 Nov 2002 14:29:56 -0600

I have for sale an excellent Racal RA-6790/GM receiver. This is a Gary Wingerd (THE Racal guru) radio and it works perfectly. The radio includes a full service/operation manual, the hard to find RS-232 Racal external

connector, the rare RS-232 Board is installed, the rare Racal internal pre-amp (+10 dB) is installed, latest Racal software proms installed (LF version)... brand new displays, new knobs and all covers. Has dedicated USB and LSB filters (not one filter for both) and 5 mechanical filters 300 Hz, 1 kHz, 3.2 kHz, 6 kHz and 20 kHz. USB/LSB/AM/FM. Includes graphic computer control software (Win 95 and up) that adds 200 memories and more. Radio is in a custom oak finished wood rack.

Not the perfect AM audiophile radio but the best for USB/LSB and digital modes and spook chasing and utility listening. That 1 Hz tuning in the "slow" position makes this thing sound like a heathkit vfo warming up on a signal <grin>. Amazing accuracy and not \$21,000 like the last version purchased by the Gov't.

Asking \$900 plus shipping. If interested in the radio or pictures email me direct. I prefer pick-up (Milwaukee to Green Bay) but will ship at buyers expense. Only selling 'cause I need the space and cash for another radio project... this isn't the only one I have.

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

RACAL mailing list
RACAL@mailman.qth.net
<http://mailman.qth.net/mailman/listinfo/racal>

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sun, 3 Nov 2002 15:55:46 -0500
From: "Ed Kessler" <aa3sj@arrl.net>
To: qrp-l@lehigh.edu
Subject: [139218] Things For Sale
Message-ID: <3DC54702.2658.53820F3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Afternoon,

I have a few things for sale that I'm offering to the QRP-L list first:

Yaesu MH-1 Microphone in very nice condition. A few very minor scratches. DWN, UP, FST buttons and original 8-Pin mic connector. \$40 plus \$6 shipping.

Ten Tec Argonaut II QRP Transceiver. Excellent working condition; has a few scratches on the top of the enclosure; front panel is excellent with the exception of a scuff on the front of the tuning knob. Comes with original manual, new backlight and spare backlight. \$500 plus \$15 for shipping and insurance.

Norcal 30M SST. Nicely painted enclosure (Metalflake Black) with highly polished aluminum front panel. Matching aluminum tuning knob. Very nice. Tunes from about 10.107-10.120. Manual included. \$60 plus \$6.00 shipping.

AOR 8000 Wide Range Receiver, Handheld. Includes Manual, antenna, and battery charging wall cube (for NiCads). Will also include four AA NiCads that I use with the raidio. \$275 plus \$10 shipping.

Any interests?

73,
Ed AA3SJ

Ed Kessler
950 Woodside Station Road
Millersburg, PA 17061

Date: Sun, 3 Nov 2002 16:22:12 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139219] Looking for a wierd problem with a part
Message-ID: <005301c2837f\$1b3468e0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently 'copied' a circuit that used a 14017 part. Unfortunately, it won't work.

Anyone know where I can get datasheets on the 14017 part that would let me try to figure out if the circuit is using a weird anomaly of the chip that I may have to get it from just one vendor?

Mike

Date: Tue, 6 Jan 1998 14:42:55 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [139220] Fw: SW+ rig questions
Message-ID: <001501bd1ae3\$ab00d9e0\$6d74da0c@mchsi.com>

Kristinn:

Welcome to the world of SW +
I finished mine some time ago and enjoy trying different things with it to see how it reacts.
As far as your CW offset is concerned, I remember another post indicating the C29 was the place to go to change it. Increasing its value should should raise the pitch and lowering its value will lower the pitch at your center freq.
On the sidetone level. R 9 is what your looking for.
It is spec'ed at 4.7 Meg and increasing its value will lower the sidetone level. I had to lower mine becuz the sidetone was to low for my old ears.
I have plans of pulling R 9 and installing a pot on a seperate board in the back of the rig one of these days so I can adjust it to whatever works at any given time.
(Like when I have a 3 year old spider man climbing on the back of my chair) hee hee

Hope this helps: C U L 72 Jerry N0JRN

----- Original Message -----

From: "Kristinn Andersen" <kiddi@marel.is>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, November 03, 2002 9:03 AM

Subject: SW+ rig questions

> Hi:

>

> I finished building my SW20 a couple of weeks ago. An excellent rig, A+

> work from Dave Benson ,and I have had lots of fun with it. With a 15ft

> wire out of my window (and a tuner) my 1-2 Watts have accomplished QSOs to

> 11 countries so far. Now, I have a couple of questions:

>

> Looking at the schematic I would presume that when I listen to another

> station and tune it to the same audio frequency as my sidetone, my TX

> frequency will be exactly the same as the RF frequency of that other station. When I use my "big rig" confirm this, it appears to be not the

> case. I need to tune the other station in at a somewhat lower audio frequency than my sidetone (say, 200-300Hz), to have my TX frequency matching that of the other station. The only explanation I can find for

> this is that some of the rigs oscillators are "pulling" (shifting frequency) when I go from RX to TX. Or am I missing something? The whole

> purpose, of course is to be able to tune exactly in to other stations to

> improve, for example, tail-ending.

>

> A second question - I find the sidetone volume unnecessarily loud and would

> like to decrease it. Anyone who has the mod to do it?

>

> 73 de TF3KX, Kristinn.

>

Date: Sun, 3 Nov 2002 14:02:33 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>

I've been logging by hand on a lined tablet. No problem to type this up in a text file.

Sure seems like an opportunity here for someone.
73, Bob N6WG

Hi all;

To keep this note ham related, this program would be used at somepoint on one of my ham webpages :^)

```
--  
><><><><><><><><><><><><><><><><><><>  
72-73-00  
(W)(O)(J)(R)(M)  
Rob Matherly - Plano, Iowa - EN30ls  
http://www.qsl.net/w0jrm  
AIM-w0jrm; ICQ-114690148; Y!-w0jrm  
ARRL -- FPqrp -330 -- IA QRP #143  
SOC #497 -- QRPP-I #19
```

Date: Sun, 3 Nov 2002 17:32:14 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Fred Ringwald <fred@ringwald.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [139223] Re: Internal Keyer for, and QRP/QRPP operation of the Icom IC-735
Message-ID: <Pine.LNX.4.33.0211031722370.24345-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Nov 2002, Fred Ringwald wrote:

> I could build that would take my station 12VDC and provide a properly
> controlled and *protected* voltage source to adjust the ALC input on
> my IC-735 so I can drive it at QRP and QRPP levels??

I'm using 2 AA batteries with a 50K pot across them to run my IC735 down to a few mW. I've been running 900mW in the test today. It doesn't seem to drain the batteries much, and is very stable. I believe that N4XY has a good one on his page. If I remember right, its three pots in series across the supply. the "outer" two set the ALC range and the center pot sets the voltage to the rig. I didn't measure the voltage vs power on mine, just put the WM1 on there and set it to 900mW.

On the keyer, I have no idea as to price. Mine came with it in there, but to be honest, the little slider for speed is a pain in keester. Fine adjustment is almost impossible in a pinch. Generally I use my Island keyer on it with it big 'ole speed knob. Can set it right where I want, without much fuss.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sun, 03 Nov 2002 17:50:54 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [139224] Feeling blue? Take one HW-7, add 3 Rock-Mites and call me in the morning...
Message-ID: <F140e4M8r7fS8HJV3pt0001466f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, y'all.

While playing today with the HW-7 which my Dad, W4MAI, built in 1973, this thought screamed through my tormented mind:
Much as I like this HW-7, or the one which I built in 1972...
If one were to combine the HW-7's vfo, its multiplier stages and, *MAYBE*, its p.a. with three Rock-Mites(one each, optimized for 40, 20 and 15 meters), one might just end up with a neat little QRP radio.
I've always been pleased with the HW-7's vfo stability.
There's ample room inside the HW-7 for experimentation...
BTW, today, I discovered that the settings of the multiplier slugs for optimum transmit output power aren't necessarily the same as the settings of the same slugs for optimum receiver sensitivity(bummer). Brother, that receiver really perked up when I peaked the slugs for optimum receive...of course, the power output for 20 and 15 dropped to QRPP levels in the process, go figure...
And, we all know the virtues of Dave's Rock-Mites.
(Another) new life for the HW-7? Could be...
Of course, the devil's in the details, as usual. Gee, I sure would like to see some young, energetic ham pick this one up and run with it.
I have too many other unnecessary projects to 'tend to :)
And, besides, I'm just an idea sorta guy...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

Choose an Internet access plan right for you -- try MSN!
<http://resourcecenter.msn.com/access/plans/default.asp>

Date: Sun, 3 Nov 2002 18:02:26 -0500
From: "Paul Mills" <quahog@localnet.com>
To: <QRP-L@lehigh.edu>, <wv7g@arrl.net>
Subject: [139225] Re: CW filter for TS-520
Message-ID: <001101c2838d\$17387ac0\$c1439942@cybrinjn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try this:

<http://www.qth.com/inrad/>

I got a 400 Hz filter from them and am pleased with it. They also have 250 Hz filters. Don't you just love the '520 ?!

Paul KB1GEJ

----- Original Message -----

From: Bill Walker <wv7g@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, November 03, 2002 10:40 AM

Subject: CW filter for TS-520

> Does anyone know where I may find a CW filter for a Kenwood TS-520?

> I am interested in at least a close to original internal module.

>

> Bill Walker - WV7G

>

>

End of QRP-L Digest 2729
